Com Ed 7/2/93

ITEMS TO CHECK FOR IN SPCC INSPECTIONS

1) Review of Plan

- ✓ Is Plan certified by an engineer? Date?
- ✓ Does Plan have management approval? Date?
- ✓ Potential water body affected
- ___ What is the size and contents of each tank?
- Does Plan address:
  - ___ containment (diking)
  - ___ control measures
  - ___ countermeasures
  - ___ drainage of diked and undiked areas
- ✓ In case of equipment failure, does plan address flow rate, direction and quantity?
- ✓ Adequate records of inspection of equipment and facility
- ✓ Are records of tank inventory inspecitons available?
- ✓ Training of personnel (records)
- ✓ Designated person accountable for any spill

2) Inspection of Facility

- ✓ Is diking or diversionary structure of adequate size?
- ✓ Availability of sorbent materials
- ✓ Drainage of diked areas and undiked areas
- ✓ In-plant diversions or return of oil
- ___ Are there back-up pumps at lift stations?
- ✓ Are gauges, liquid level sensing devices or high level alarms working?
- No Any visilbe leaks from gaskets, seams, rivets or bolts?
- O.K. Check buried piping for protective coating
- Y Are pipe ends capped or blank flanged?
- yes Are pipe ends within diking?
- OK Check joints of above-ground pipes
- OK Is piping protected from vehicular traffic?
- ___ Where does loading rack area drain to? coal Pile
- 24H What type of facility security is there?
- OK Is there adequate lighting?
- OK Posting of emergency phone numbers
- OK Material in bottom of dike area (concrete, clay, etc.)

527 Cir cumference

Height

A. SPCC INSPECTION FIELD SHEET

(To be completed if SPCC Regulation is applicable to Facility - see 40CFR Part 112.1.)

SEE INSTRUCTIONS ON REVERSE

1a. NAME OF FACILITY	1b. TYPE OF FACILITY
1c. FACILITY LOCATION	
2a. NAME OF OWNER AND/OR OPERATOR RESPONSIBLE FOR FACILITY	2b. TELEPHONE NUMBER *Area Code* ( )
2c. MAILING ADDRESS	
3. TYPES OF OIL STORED AND CAPACITY OF ABOVEGROUND AND BURIED STORAGE.	
4. IS A CERTIFIED SPCC PLAN AVAILABLE FOR INSPECTION? ☒ YES ☐ NO	5. DATE OF INSPECTION 7/2/93
6. NAME AND REGISTRATION NUMBER OF CERTIFYING ENGINEER ☐ NOT AVAILABLE	7. DATE SPCC PLAN WAS CERTIFIED ☐ NOT AVAILABLE
8. IS SPCC PLAN FULLY IMPLEMENTED? *(Are the items called for in the Plan in the interest of spill prevention actually installed - if observable!)* ☐ NOT APPLICABLE	
9. NAME OF WATER BODY THAT POTENTIAL SPILL COULD ENTER; OR IF UNNAMED TRIBUTARY, THEN FIRST NAMED WATERBODY DOWNSTREAM *(if known)*	
10. COMMENTS *(Include comments by owner/operator - write on back or attach extra sheets if needed)*	

11a. SPCC NO.	11b. CASE NO.	11c. NPDES NO. ☐ NOT AVAILABLE IL0002216
12a. INSPECTOR *(sign)*		12b. DATE
12c. INSPECTOR *(print)*		

EPA Form 7500-53 (9-80)

B. SPCC INSPECTION SUMMARY SHEET

SPCC NO.	CASE NO.	DATE OF INSPECTION

NAME OF INSPECTOR *(Signature)*	DATE OF DOCUMENTATION REPORT

NAME OF INSPECTOR *(Print)*	NPDES NO.

1. FACILITY

a. COMPANY

ADDRESS	TELEPHONE

CITY	STATE	ZIP CODE

FACILITY NAME

b. FACILITY LOCATION

PARENT CORPORATION Com Ed

ADDRESS 10 S. Dearborn

CITY	STATE	ZIP CODE
Chicago	IL	60603

c. WATER BODY PROTECTED Des plaines

2. PURPOSE

INITIATION: ☐ Routine Surveillance ☐ Coast Guard Information ☐ Spill Report ☐ Citizen Information ☐ Other *(specify):*

TYPE: ☐ Plan Preparation ☐ Plan Implementation ☐ Follow-up ☐ Plan Amendment

3. INSPECTION

INDIVIDUAL CONTACTED	TITLE

INDIVIDUAL CONTACTED	TITLE

NOTIFICATION

4. FINDINGS

SOURCE IN APPARENT COMPLIANCE WITH SPCC REQUIREMENTS:

☐ Yes
- ☐ Have adequate plan
- ☐ Not subject to regulations
  - ☐ Insufficient storage
  - ☐ No reasonable spill expectation
- ☐ Plan fully implemented
- ☐ New facility operational less than 6 months

☐ No
- ☐ No plan
- ☐ Plan not properly certified
- ☐ Plan does not have management approval
- ☐ Plan not maintained at facility manned 8 hrs/day
- ☐ Inadequate plan *(detailed SPCC Plan review attached)*
- ☐ Plan not fully implemented
- ☐ Plan not reviewed within 3 years

☐ Other

5. ATTACHMENTS *(None required if facility in apparent compliance)*

	NONE	ATTACHED	ALREADY ON FILE
*Detailed Observations	☐	☐	☐
*Photographs	☐	☐	☐
Slides	☐	☐	☐
Map	☐	☐	☐
*Field Drawing	☐	☐	☐
*Comments	☐	☐	☐
Telephone Conversations	☐	☐	☐
*SPCC Plan	☐	☐	☐

**(ALL REQUIRED IF FACILITY IS NOT IN APPARENT COMPLIANCE. If photos not permitted, check "None" and explain. Add "SPCC Plan" to List of Attachments when appropriate.)*

CALCULATION OF VOLUME OF SECONDARY CONTAINMENT

Name of Facility: Com Ed #9

Area:	1	2	3	4
Volume of Largest Tank (gal):	770000			

38 h x 59.2 diameter

Dike Measurements: Area:	1	2	3	4
Height:				
Length:				
Width:				

527 ft circumference
7.6 height

V (gal) = H x L x W x 7.48 gal / ft^3

circumferance of a circle:

$C = \pi D = 2\pi r$ $\quad C = 2\pi r$

$\frac{C}{2\pi} = r$

Volume of a circle: where $C = 527$ ft,

$r = \frac{527}{2\pi} = 83.87$ ft

$V = \pi r^2 h$

$V = \pi (83.87\text{ ft})^2 (76\text{ ft})$

$V = 167948.74\ ft^3$

$V_{gal} = 167948.74 ft^3 \times 7.4\ gal/ft^3 =$

$V_{gal} = 1,242,820.68$ gal.

$V_L = 770,000$

% capacity $= \frac{1,242,820}{770,000} \times 100 = 161\%$

C. DETAILED SPCC DOCUMENTATION

SEE INSTRUCTIONS ON PAGE 8

FACILITY	DATE OF INSPECTION

1. FACILITY DESCRIPTION

1a. TYPE OF BUSINESS/OPERATION

1b. FACILITY OIL STORAGE

1c. PREVENTION MEASURES PROVIDED

1d. APPEARANCE OF FACILITY *(housekeeping)*

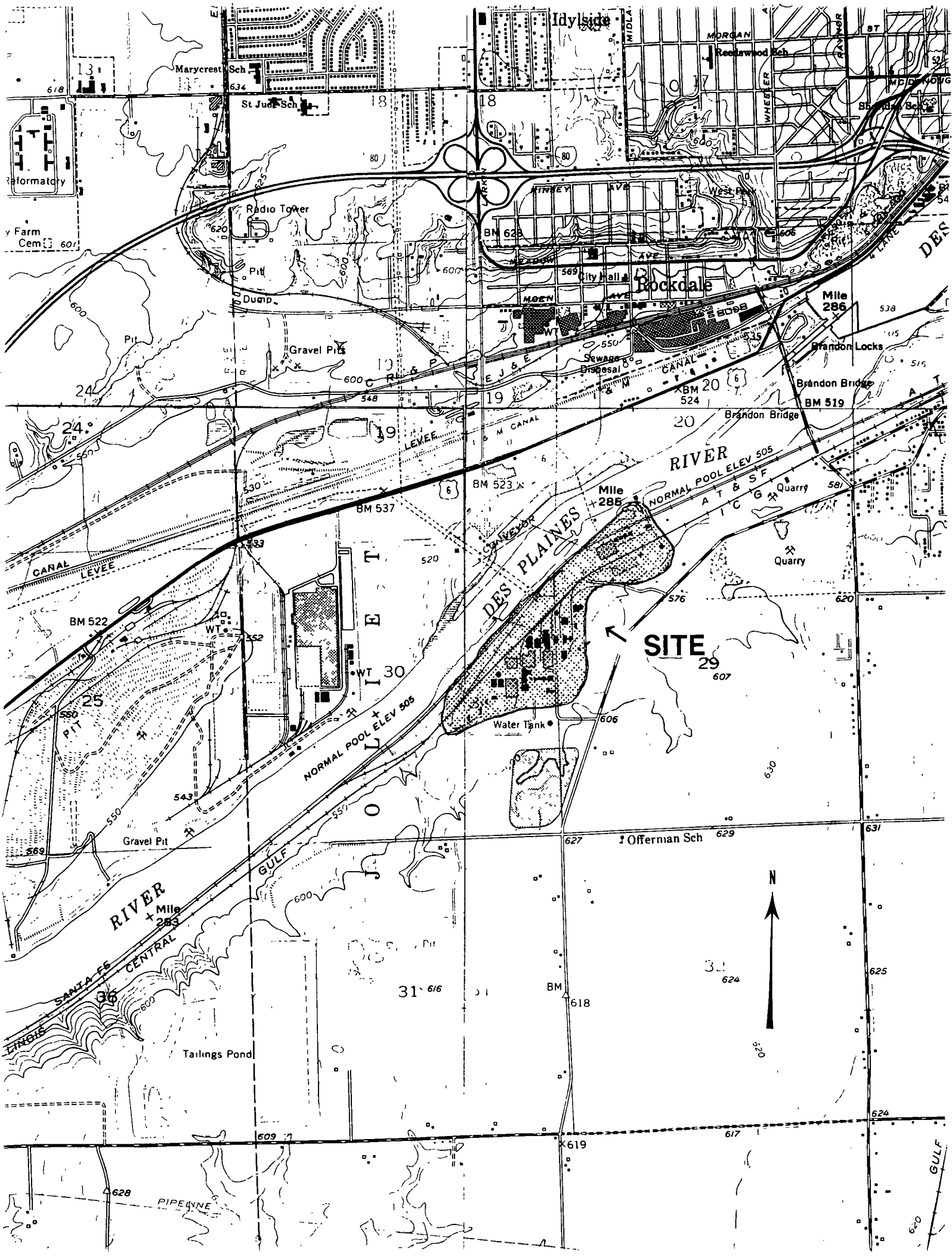
1e. PAST SPILL HISTORY

3. COMMENTS

5. SPCC AMENDMENT RECOMMENDATIONS *(Amendment Inspections only)*

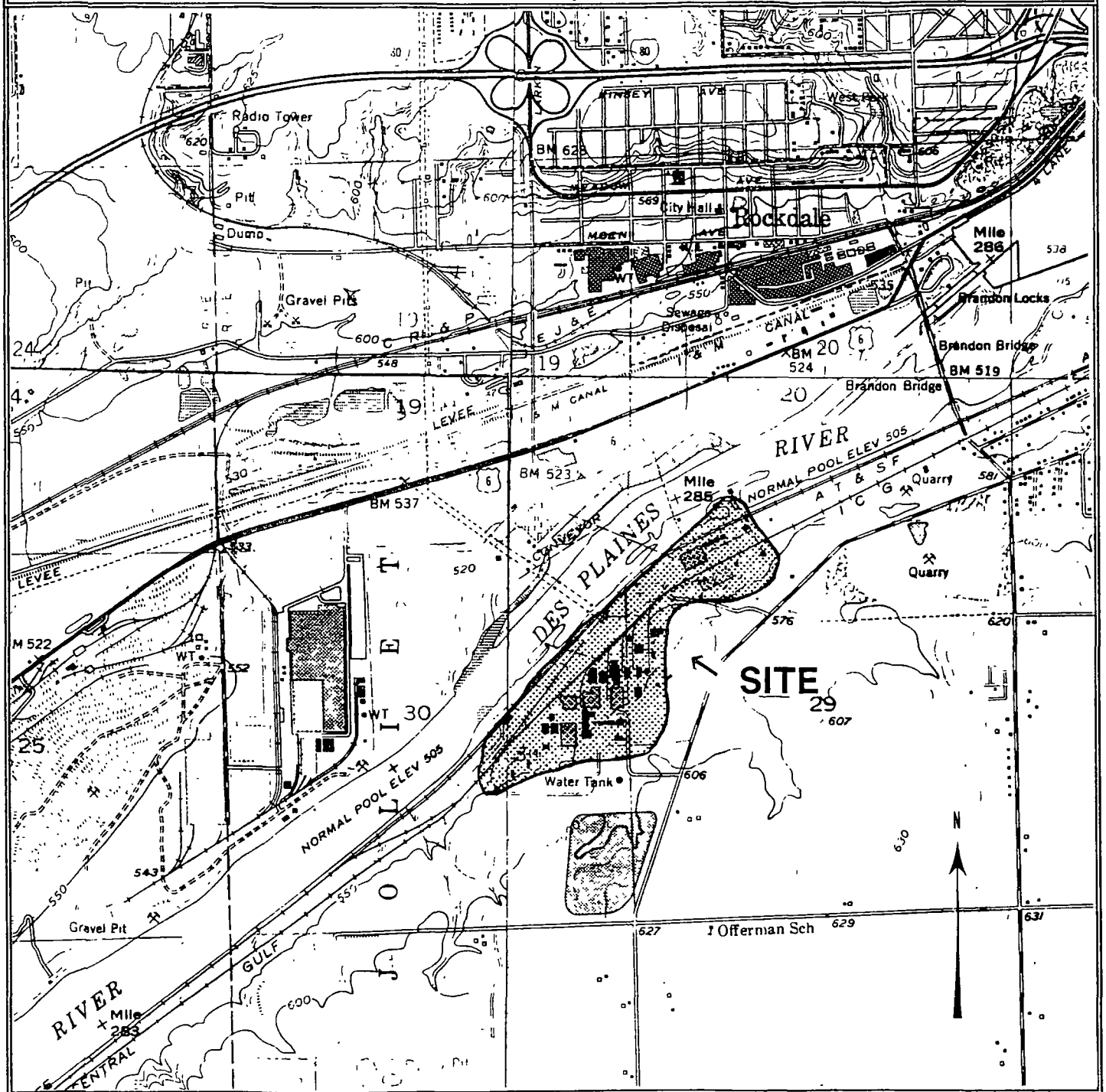
7. PHOTOGRAPHS *(Attach more sheets if needed)*	
SUBJECT	FACILITY
PHOTOGRAPHER	WITNESSES
WITNESSES	WITNESSES
DATE/TIME/DIRECTION	CAMERA/FILM/ATTACHMENTS
SUBJECT	FACILITY
PHOTOGRAPHER	WITNESSES
WITNESSES	WITNESSES
DATE/TIME/DIRECTION	CAMERA/FILM/ATTACHMENTS

ATTACH PHOTOGRAPHS HERE


Idylside
Marycrest Sch
St Jude Sch
Reformatory
Radio Tower
Pit
Dump
Gravel Pits
Rockdale
City Hall
West Park
Reedswood Sch
Mile 286
Brandon Locks
Brandon Bridge
BM 519
BM 524
BM 523
BM 537
BM 522
Sewage Disposal
LEVEE
CANAL
RIVER
DES PLAINES
NORMAL POOL ELEV 505
Quarry
SITE
Water Tank
Offerman Sch
Gravel Pit
Tailings Pond
PIPELINE
GULF
SANTA FE
CENTRAL
ILLINOIS
N

C. DETAILED SPCC DOCUMENTATION

6. FIELD DRAWINGS (Attach more sheets if needed, and show north arrow of other orientation)



FACILITY
Commenwealth Edison - Joliet Station No. 9

INSPECTION DATE
July 2, 1993

INSPECTOR
Karen Rydzewski and Michael Kulikowski, Ecology & Environment, Inc., U.S. EPA Technical Assistance Team